Harrington
&
Richardson, Inc.

Manufacturers of Fine Firearms Since 1871

Industrial Rowe

GARDNER, MASSACHUSETTS 01440, U.S.A.

INSTRUCTION MANUAL

Model 700

Caliber .22 W.M.R.F.

Auto. Loading Rifle

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I. **IMPORTANT** — Do not attempt to use your new H&R firearm until you have thoroughly read this manual and familiarized yourself with all procedures pertaining to its use. Harrington & Richardson firearms are manufactured to our specifications, designed for use with factory loaded ammunition only, and tested to these standards. Harrington & Richardson cannot assume liability or responsibility for injury or damage resulting from any alteration or change to the firearm not performed by factory personnel, the use of replacement parts not of our manufacture, or the use of handloads or reloaded ammunition.

II. **BEFORE USE** — Your firearm has been treated with a protective oil, and should be cleaned before using.

A. Wipe all exterior surfaces with a clean, soft cloth.

B. Clean bore and chamber by first pulling the bolt handle to the rear and turning the bolt handle ¼ turn. This will lock the bolt in the rear (open) position. Using a cleaning rod and cloth patches of the proper size, thoroughly wipe out the bore and chamber with

solvent until patch comes out clean. Run a clean, dry patch through the bore. Using a clean, soft cloth, wipe excess oil from breech and bolt faces.. To unlock bolt, turn bolt handle ¼ turn and release, letting the bolt snap forward freely.

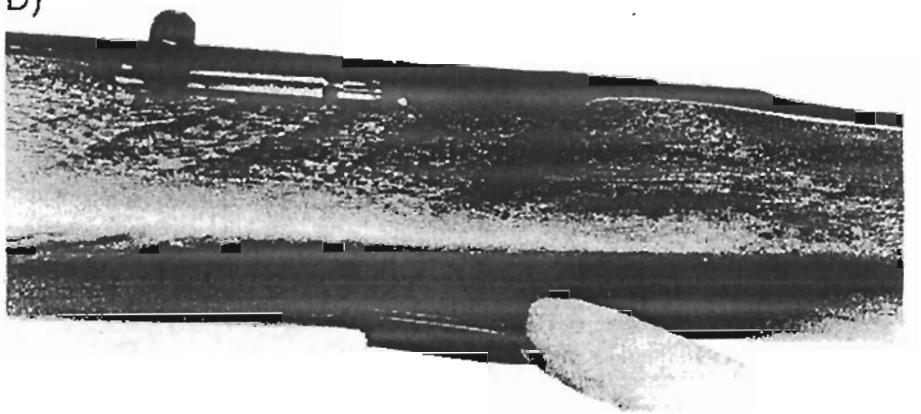
III. **AMMUNITION** — The Model 700 rifle is esigned "ONLY" for use with caliber .22 Win. Magnum Rimfire cartridges. Either solid or hollow oint cartridges can be used.

IV. **OPERATION OF SAFETY** — (See Photo A" for Location of Safety) To put the rifle on afe, move the safety lever fully rearward toward ne word "Safe". When ready to fire the rifle, move ne safety lever fully forward toward the word Fire".

A.

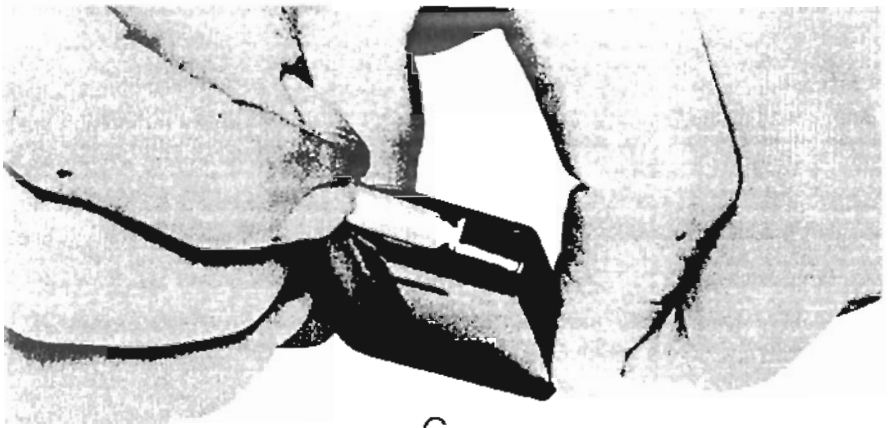
V. **LOADING** - - Depress magazine release lever (see Photo B) and remove the magazine from the rifle. To load the magazine, (see Photo C) insert cartridge so that rim is in line with the middle groove of the magazine. Then press down and rearward until cartridge contacts rear wall of magazine. The magazine capacity is five (5) cartridges.

With the rifle pointed in a safe direction and the safety on "Safe", insert the loaded magazine, making sure it locks in place. Pull the bolt handle fully to the rear and release, letting bolt snap forward freely. Your rifle is now loaded and cocked. When ready to fire the rifle, move the safety lever fully forward toward the word "Fire". (see Photo D)



B.

VI. **UNLOADING** — Put rifle on "Safe" and e sure rifle is pointed in a safe direction. Pull olt handle to rear and lock into open position by urning bolt handle ¼ turn in lock position. De- ress magazine release lever and remove maga- ine. Look into chamber to be sure no cartridge emains. Release bolt, and pull bolt back and orth several times. Lock bolt into open position nd again look into chamber.

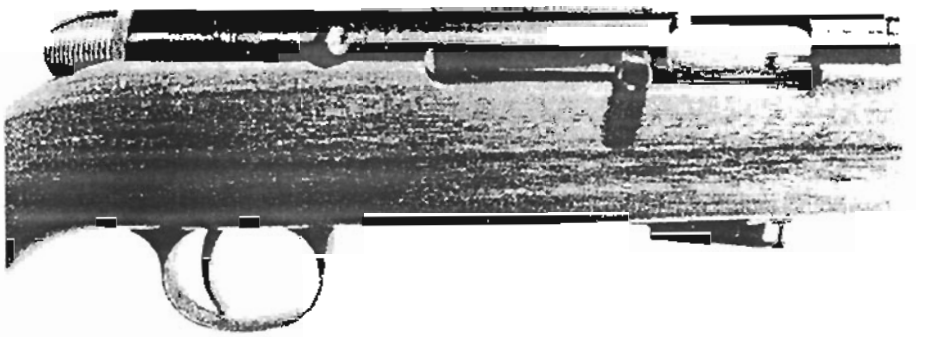


C.

VII. **TARGETING** — Proper sight picture re- uires front sight top to be aligned with top of ear sight notch, and held so bottom of black ircle of target appears to rest on top of front ight. Some adjustment may be required since ost individuals shoot differently. You can adjust e rear sight to move left or right by gently tap- ing sight in the direction you wish to move group.

To remove group up or down, loosen the two screws on face of rear sight and move aperture blade up or down as required. Tighten screws.

CAUTION: When firing, safety glasses and ear protection should be worn. Keep fingers and hands away from ejection port and bolt handle areas to prevent accidental injury.



D. — READY FOR FIRING

VIII. **CLEANING THE ACTION** — A thorough cleaning of the rifle should be performed after each firing of two hundred fifty (250) rounds. Rifle should always be cleaned after firing, before storage.

CAREFULLY EXAMINE THE PARTS DRAWING ON LAST PAGE OF THIS MANUAL AND THOROUGHLY FAMILIARIZE YOURSELF WITH PART NAMES AND LOCATIONS.

The procedure listed below should be followed carefully to assure proper disassembly, cleaning and reassembly.

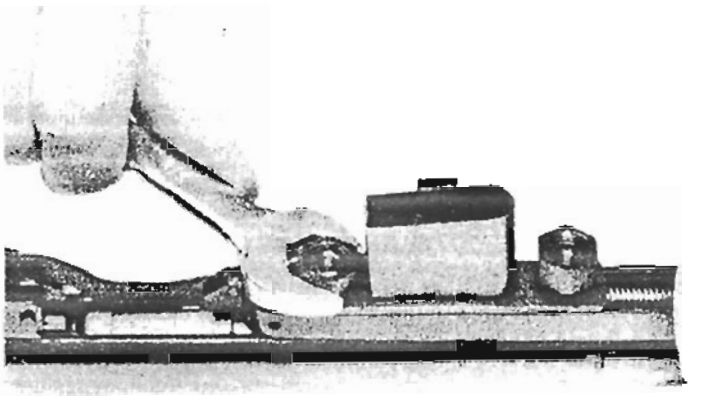
A. Unload in accordance with the procedure described in Section VI, UNLOADING.

B. Release bolt with safety in "Fire" position, release hammer spring by pulling trigger (muzzle pointed down), unscrew front and rear take down screws and remove magazine guide plate.

C. Carefully lift barrel and receiver from stock to guard against chipping or marking stock.

D. Unscrew bumper plug from rear of receiver and remove hammer spring. With trigger slightly depressed, raise the muzzle end upwards and hammer will then drop out.

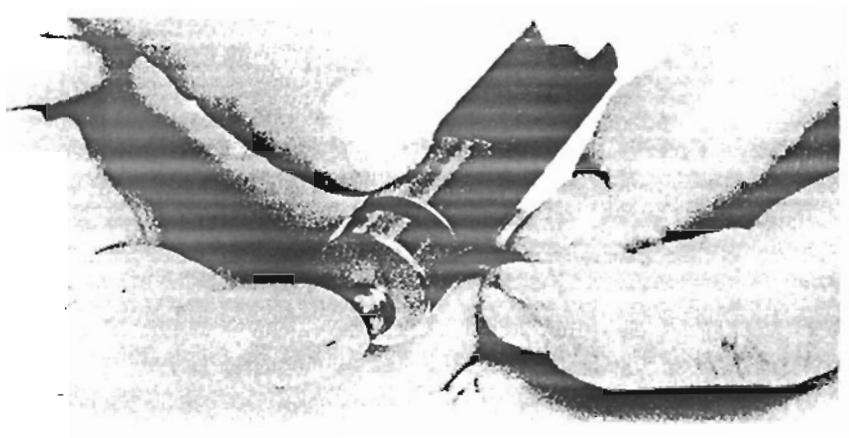
E. Turn barreled action over resting on the sights. (see Photo E) Loosen front (muzzle end) stud nut half way off and rear stud nut three quarters way off. Grasp action bar end nearest trigger and lift, disengaging action bar from bolt.



E.

F. Turn action on its side with bolt handle up. Slide bolt rearward to locking hole. Twist bolt handle and pull firmly to remove handle from bolt. With muzzle raised, a slight pull on the trigger will permit the bolt to slide free of receiver. Finger tighten front stud nut without disturbing angle of action bar. While holding firing pin head, (see Photo F) disassemble bolt by pushing firing pin retaining pin out of stake side of hole, removing firing pin and spring.

CAUTION: Further disassembly of this firearm is not recommended and should only be attempted by a competent gunsmith or the factory.



F.

G. Clean Bolt and Reassemble: To clean bolt, use a stiff bristle brush with solvent and scrub bolt face until clean. Clean firing pin hole in bolt by soaking in solvent and using a soft bristle brush. Using a clean cloth with solvent, wipe bolt clean. Lightly oil all parts. At this time, assemble bolt by slipping firing pin spring onto firing pin, insert firing pin into bolt, aligning groove in firing pin with retaining pin hole, insert firing pin retaining pin. Depress firing pin. Firing pin should freely return.

The Barrel/Receiver Assembly is now ready for thorough cleaning. Using a cleaning rod and cloth patches of the proper size, thoroughly wipe out the bore and chamber with solvent, changing patches until patch

comes out clean. Place a few drops of gun oil on a clean patch and lightly coat bore and chamber.

NOTE: Be sure to run a dry patch through bore before shooting. Using a clean cloth with solvent, thoroughly wipe out receiver and breech face. Lightly oil receiver interior with gun oil. The magazine should be disassembled and thoroughly cleaned. To disassemble magazine, (see Photo G) depress button in floor plate with paper clip, slide floor plate forward. Slide spring and follower out of bottom of magazine. Thoroughly clean all magazine components with solvent and lightly oil with gun oil. To reassemble, reverse disassembly procedure.

G.

H. To reassemble action: Loosen forward stud nut approximately three (3) turns. DO NOT REMOVE. Hold barreled action in one hand, trigger up, insert bolt in rear of receiver with rearmost slot up. Slide bolt until stopped. Lower muzzle, lightly pull trigger permitting bolt to slide into receiver. Align ejector slot in bolt with ejector. Turn barreled action with ejection port side up. Take pointed object (pin or pencil tip) insert in handle hole in bolt and slowly move bolt rearward, aligning bolt handle hole with the matching receiver hole. Pick up bolt handle and firmly push into bolt.

I. Twist bolt handle to engage, then slide bolt forward. Move safety to the "Safe" position which will raise disconnector. Grasp action bar on the front end (round end) and with backward pressure align lug with slot in bolt. Press rear of action bar to engage action bar with slot in bolt. Tighten stud nuts securely. Check action by pulling back bolt handle several times. Insert hammer (end with small hole first), tip action muzzle down, gently squeeze trigger allowing hammer to move into position. Insert hammer spring, bumper plug and tighten. Carefully insert barrel and action into stock. Position guide box plate and tighten take down screws. Replace magazine.

IX. GUN CARE —

A. Always clean firearm after shooting. Follow the procedure previously described.

B. Avoid storing firearm in a case. Whenever storing firearm for more than a month, check it every few weeks and re-oil as needed.

X. **SERVICE** — Most gunsmiths of good reputation can service or repair H&R firearms. Should you wish to return the firearm for factory service, please follow this procedure.

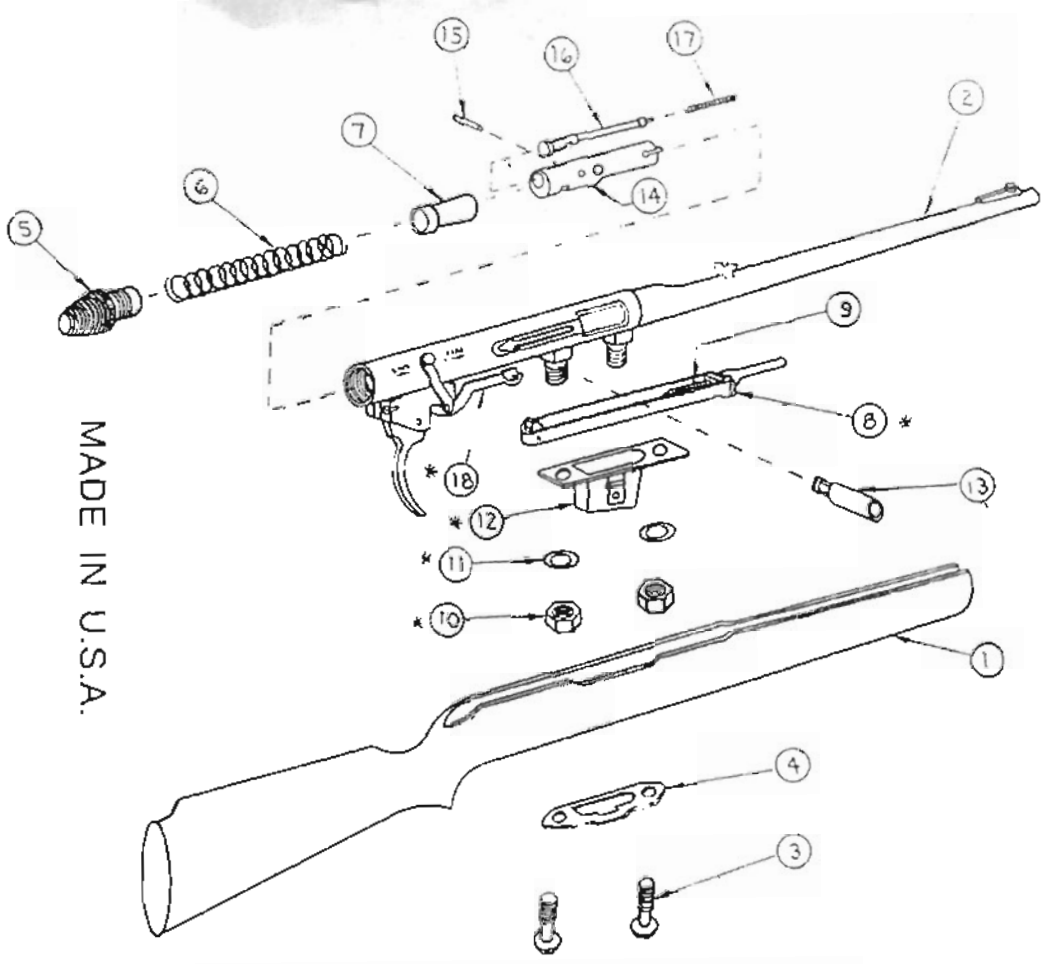
A. Be sure the firearm is not loaded.

B. Write a note that fully describes any problems, and/or type of service desired. Include your name and address, and send the note with the firearm.

C. Pack the firearm carefully to avoid damage in transit. Ship insured to H&R, marked to the attention of:

SERVICE DEPARTMENT
Harrington & Richardson, Inc.
Industrial Rowe
GARDNER, MA. 01440

MADE IN U.S.A.



1. Stock
2. Barrel Assy.
3. Take Down Screw
4. Magazine Guide Plate
5. Bumper Plug
6. Hammer Spring
7. Hammer
8. Action Bar
9. Action Bar Spring Guide & Spring
10. Stud Nut
11. Washer
12. Magazine Guide Box
13. Bolt Handle
14. Bolt
15. Firing Pin Retaining Pin
16. Firing Pin
17. Firing Pin Spring
18. Disconnector Assy.

NOTE: DO NOT ATTEMPT TOTAL DISASSEMBLY OF PART MARKED WITH *.

SAFETY — ALL FIREARMS CAN BE DANGEROUS IF USED OR HANDLED IMPROPERLY.

A. Never point a firearm towards anything you would not want to shoot.

B. Be sure no one is positioned in the path of ejecting cartridge cases.

C. Always unload when finished shooting.

D. Firearms must be unloaded when unattended or not in direct control of the user.

E. Never place or leave any firearm within the reach of children, or persons you would not want handling the firearm.

F. Always exercise special care when loading or unloading, and be sure barrel and chamber is clean and free of oil, grease, dirt or other obstruction.

G. Proper eye protection in the form of good quality, impact-resistant glasses should be worn at all times when shooting, disassembling, cleaning or reassembling a firearm.

H. Proper ear protection in the form of ear plugs or hearing guards should always be worn while shooting.

I. Should firearm ever be dropped on a hard surface, check before using to make sure all parts function properly. If you have any doubts, take it to a competent gunsmith or return to factory before using.

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